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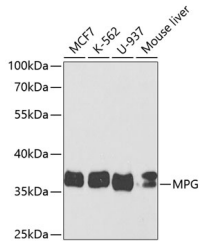
MPG Polyclonal Antibody

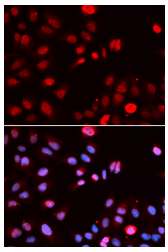
Catalog No.	E-AB-60952	**Reactivity**	H,M
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IF	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

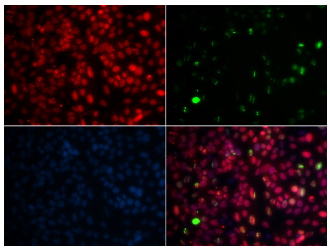
Images



Western blot analysis of extracts of various cell lines using MPG Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence analysis of U2OS cells using MPG Polyclonal Antibody



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using MPG Polyclonal Antibody

Immunogen Information

Immunogen	Recombinant fusion protein of human MPG (NP_001015052.1).
GeneID	4350
Swissprot	P29372
Synonyms	MPG,AAG,ADPG,APNG,CRA36.1,MDG,Mid1,PIG11,PIG16,anpg

Product Information

Calculated MW	30kDa/32kDa
Observed MW	37kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IF 1:50-1:100

Background

Maintenance of DNA sequences is necessary for vertebrates and other life. DNA is under constant stress by a plethora of DNA-damaging agents present in both the environment and within cells. The potentially deleterious effects of DNA lesions in cells are elegantly resolved by sophisticated DNA repair systems, including base excision repair (BER), nucleotide excision repair (NER) and DNA repair methyltransferase (MTase). Methylated bases, such as 3-methyladenine (3MeA) and 7-methylguanine (7MeG) can be formed by agents in the environment and by endogenous cellular processes. Consequently, in the absence of exposure to environmental agents, DNA methylation damage can be incurred on the genomic DNA of normal mammalian cells. DNA N-glycosylases are base excision-repair proteins that locate and cleave damaged bases from DNA as the first step in restoring the sequence.